

Name Helm Bay	Head	Catalog No	<u> </u>				
Intitude N	55° 40' 23" 59"	WR No. 54	<i></i>				
Lastitudo W	132° 01' 06"	K No. 59	ppt distribution group and the contract of the				
~ " ' • • • •	T 0 0 1	Manie Anna Vatabilian					
Geogetic rap r	lo. Craig C-1	Watershed Length 1 5 mile	a e				
rocation Herm	Geodetic Map No. Craig C-1 Work Area Retchikan Location Helm Bay - Cleveland Penn. Watershed Length 1.5 miles Drainage Area of Watershed 8 sq. miles (polar planimeter)						
Water Supply Type Lakes fed by ground water and precipitation.							
Water Supply 1	Type Lakes fed by gro	und water and precipitation.					
		Taland Car	J. T. J.				
Trails & Surve	y Routes Faws establ	ished trail to Bugge Lake and Sur	mit take.				
Survey stream by	walking in bed.						
Aorial Survey	Notes Light brown col	or of water with dark substrate :	impede aerial				
surveying. Canon	y conditions present on	most of stream.					
Anchorage 1 mi	le from head of bay in 5	0-60'. Subject to southeast wind	ds. Bottom -				
sand and mud.			File St. after 1884 - Manufall Anna St. Colonia III o consent o consent o consent de la Colonia de				
Tide Stage Whe	en Surveyed lst hal	f of flood.					
_							
FISHERY RESOU							
Commercial 1	risheries <u>pink, chum</u>	and coho					
		10.000 (10/1)	1 500 (10/1)				
Escapement 1	ni <u>gh historic – pink 28,</u>	000 (1940), chum 10,000 (1941),	coho 500 (1941).				
	$11,588 \text{ m}^2 (9240'\text{x}27'\text{x}5)$						
Species Comp	position <u>Estimate - 90</u>	% pink, 5% chum, 5% coho					
Thatng Late	e - September, October.	and the state of t					
Schooling a	reas Pools in the upper	intertidal zone and pools above	the ITZ.				
Shellfish P	otential Excellent du	ingeness crab found off the inter	tidal area of				
the head (14	fathoms).Clam potnetial	good.					
Sport Fisher	ries Cutthroat, Dolly	Varden, coho, pink, chum with pos	ssible halibut				
	ad during salmon runs.						
land Use at	Present Several cabi	ns in Helm Bay provide high recr	eational use				
during entire	year. Mining interests	in Helm Bay.					
Vistory of	Tand Hee Gold mining	was very active in the area. Ha	nd logging occurred				
	ms in Helm Bay.	Wall very access in one or					
Debobilitet	ion Potential Future	removal of windfall across stream	m may be necessary				
		Temoval of Windfall across Stream	in may be necessary				
	n fish passage.	in system but V-notch situations	eviet on the first				
	tem on the left in ITZ.	III system but v-notch situations	exist on the first				
tributary sys	tem on the fest in 112.		reacy-regulated programmers in the control of the c				
GAME RESOURCES							
371	The state of the same of the s	(ald an frach) on hanks catim	nto 2				
Bear		s (old or fresh) on banks, estim	2				
-	Number of droppings		2				
Geese	Number seen on tide fla	ats	And the contract of the contra				
	Number seen up creek		0				
	Number of broods seer.		O and the control of				
Mallards	Number seen on tide fla	ats	0				
	Number seen up creek		0				
	Number of broods seen		0				
Mergansers -	Number of broods seen		0				
	Number seen along creek	<u>ķ-</u>	1				
i kulisk Tuckeydir O'''	Number of nests seen a		0				
e [cap	Number of Nests seen a Number seen at routh o		<u> </u>				
			1 mile				
mus mats -	Estimate length along						
	Estimate depth out from Eel grass prosent on wh		200 yds.				

Helm Bay Head

101-90-80				
DATE	PINK	CHUM	OTHER SPECIES	REMARKS
9-17-30	3,300			
9-28-37				Stream well seeded. 35% chum, 65% pink.
9-1-38				1000 pink off mouth.
9-23-40	28,000	2,000		Excellent.
9-19-41	15,000	10,000	500 coho	
9-8-42				1000 fish off mouth.
10-15-46				Good.
9-5-47				Scattered groups of pinks in stream.
10-22-48	500			
9-19-49	2,000			
9-14-53	1,400	1		
9-13-55	900	100		1000 at mouth.
8-25-60				None observed.
8-16-63	E .	00 opled		Visibility good.
8-20-64	400	few		100 @ mouth. Vis. fair, stream high and dark.
8-23-65				150 I.T. Vis. good off mouth.
7-31-69				Fair visibility. None observed
8-25-70	. 500			1000 in I.T. Schools in bay.
8-9-71				500 - 1 ball. Visibility fair.
8-16-72				3000 @ mouth, I.T.
8-15-73	2,000			500 I.T.
8-12-74			·	1000 salmon I.T.
8-13-75	500+			5000 @ mouth & I.T. Vis. poor.
			- 487 -	